



10 / 18

FIG. 11
(PRIOR ART)

600

BIT NO.	LIGHT QUANTITY (μW)	IDEAL COUNT VALUE	ACTUAL COUNT VALUE	CORRECTION VALUE	LIGHT QUANTITY RESIDUAL ERROR RATIO
1	89.6936586	30.1729	30	-2	-0.57303
2	90.113701	30.3142	30	-2	-1.036483
3	90.5585963	30.46386	30	-2	-1.52267
4	91.0258586	30.62105	31	-1	1.2375441
5	91.5121425	30.78464	31	-1	0.6995807
6	92.0133716	30.95325	31	-1	0.1510347
7	92.5248951	31.12533	31	-1	-0.40265
8	93.0416667	31.29917	31	-1	-0.955833
9	93.5584382	31.47301	31	-1	-1.502905
10	94.0699617	31.64509	32	0	1.1215464
11	94.5711908	31.8137	32	0	0.5856003
12	95.0574747	31.97728	32	0	0.0710362
13	95.1914037	32.02234	32	0	-0.069758
14	95.3029657	32.05987	32	0	-0.186737
15	95.3896747	32.08904	32	0	-0.277467
16	95.45	32.10933	32	0	-0.340492
17	95.4834247	32.12057	32	0	-0.375379
18	95.4904657	32.12294	32	0	-0.382725
19	95.4726537	32.11695	32	0	-0.36414
...



FIG. 13 (PRIOR ART)

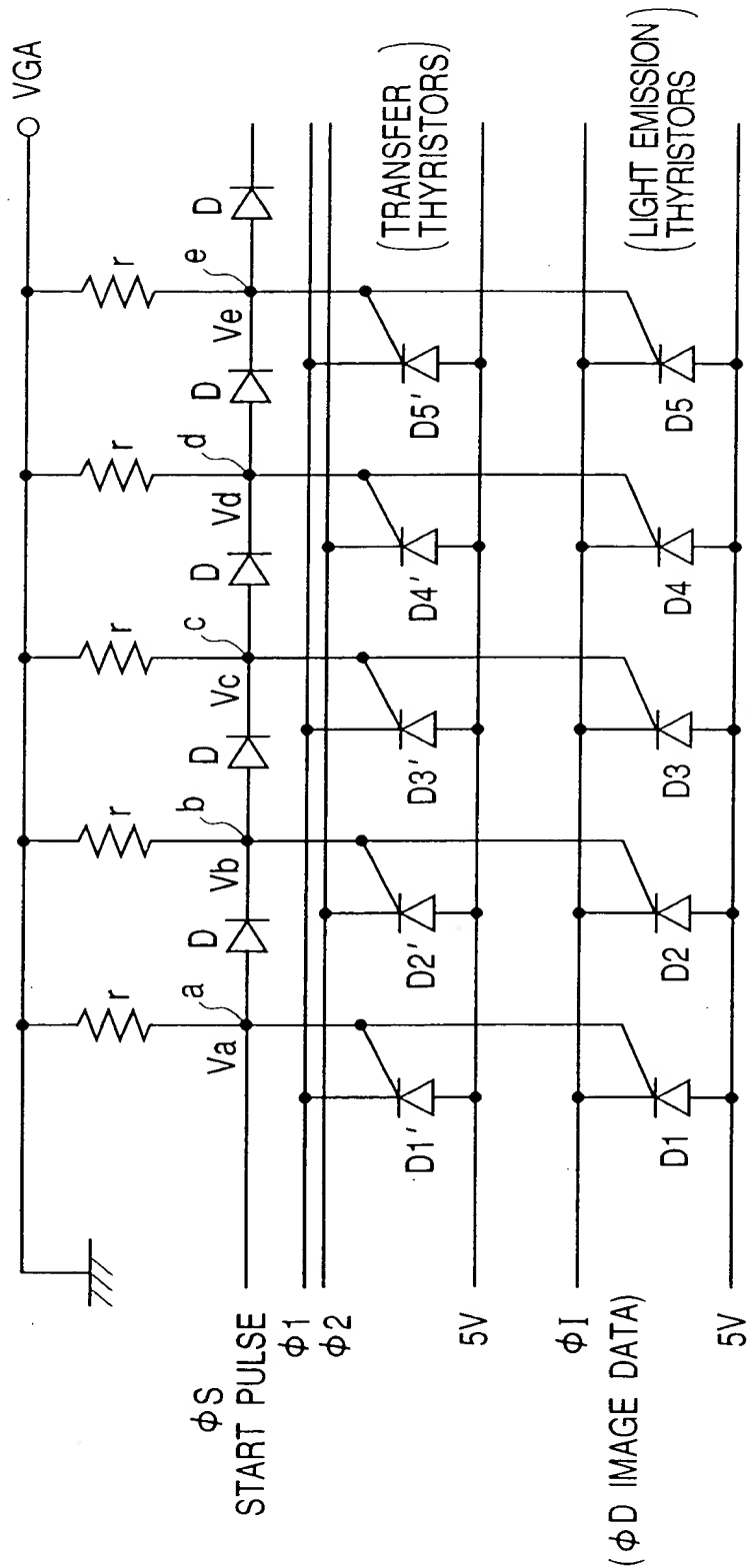
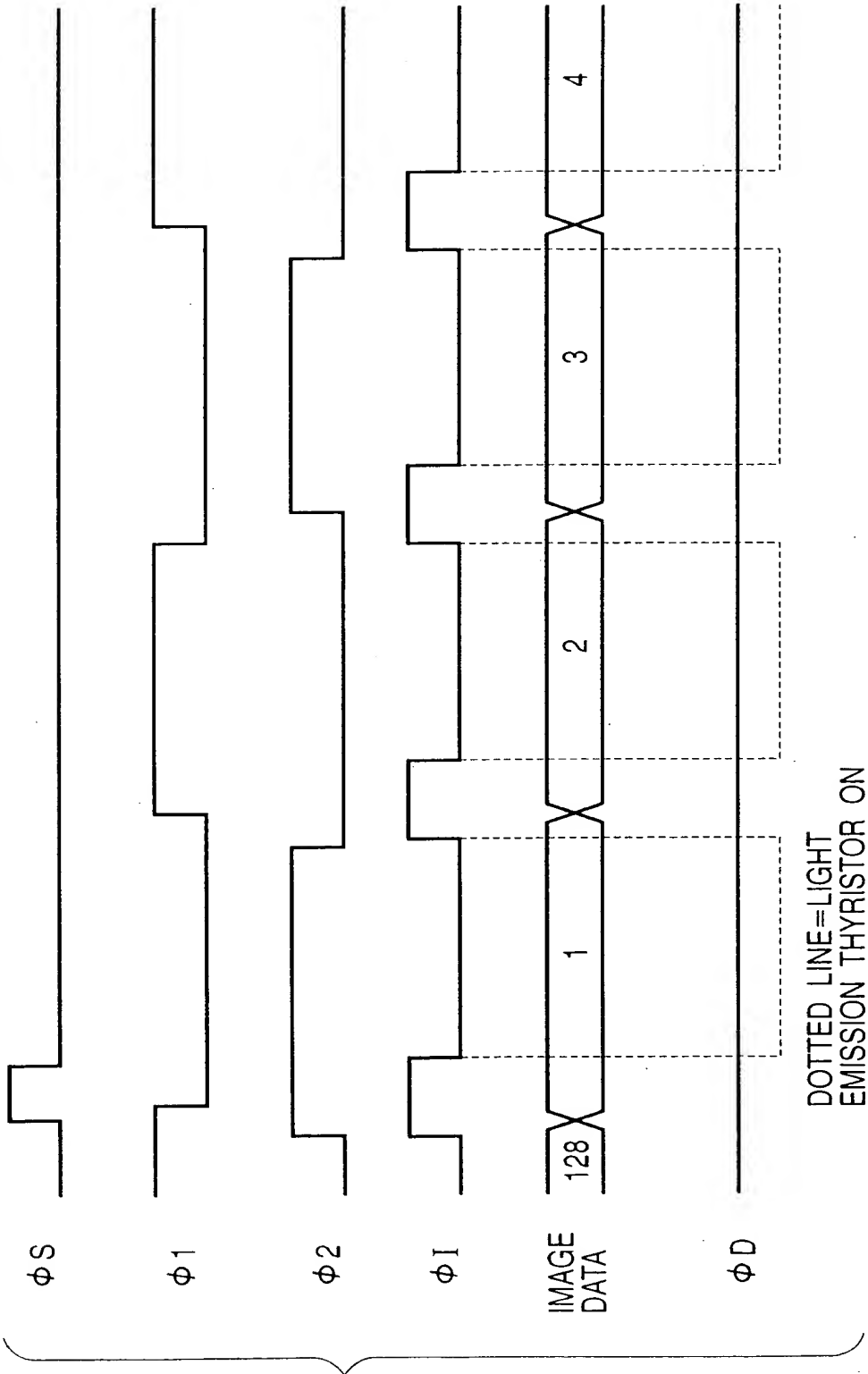




FIG. 14 (PRIOR ART)





13 / 18

FIG. 15
(PRIOR ART)

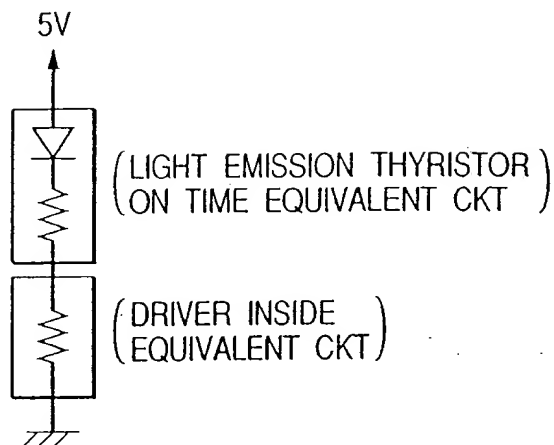


FIG. 16
(PRIOR ART)

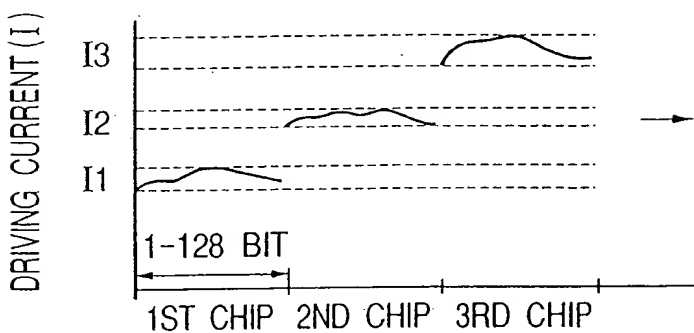
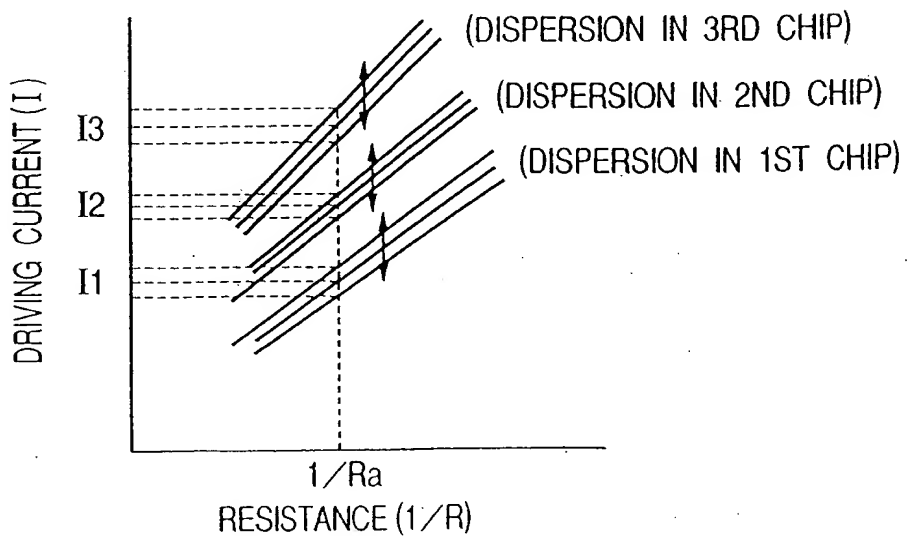


FIG. 17
(PRIOR ART)





14 / 18

FIG. 18 (PRIOR ART)

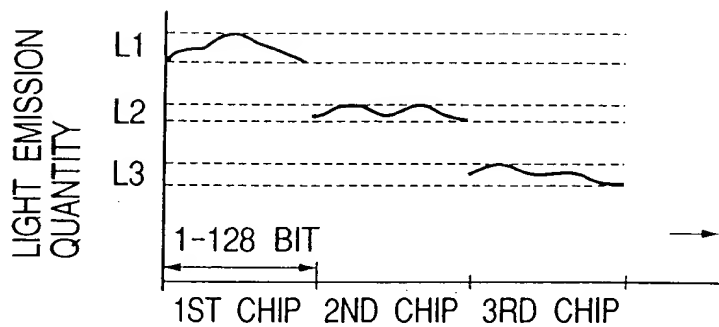
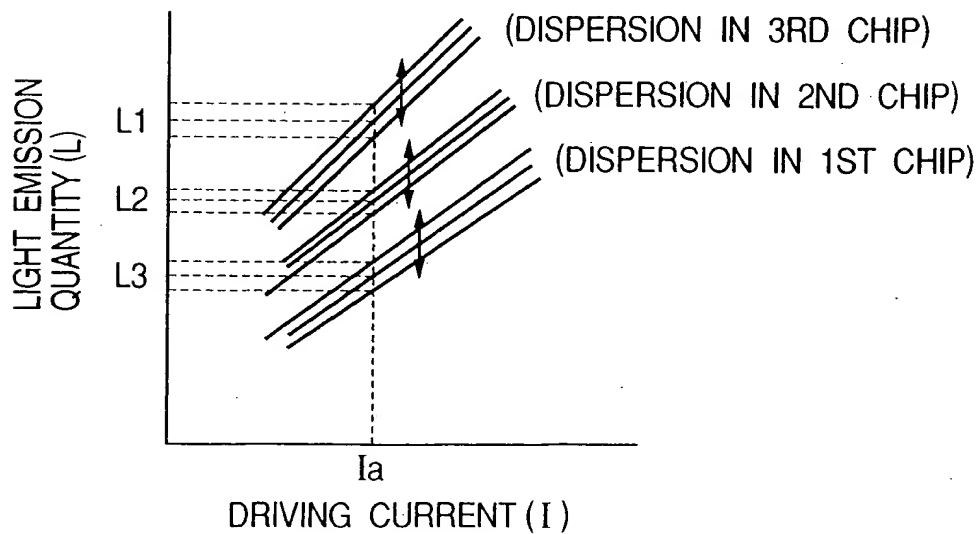


FIG. 19 (PRIOR ART)





15 / 18

FIG. 20 (PRIOR ART)

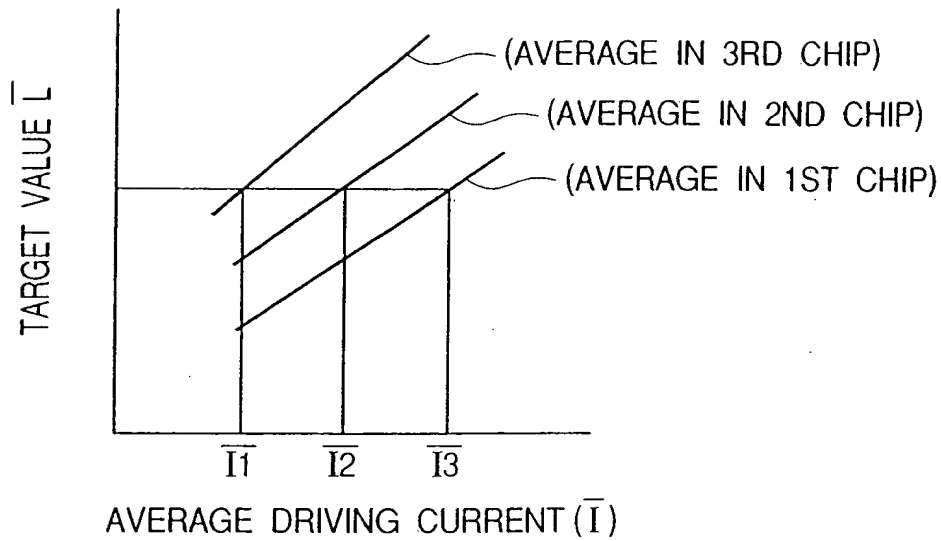
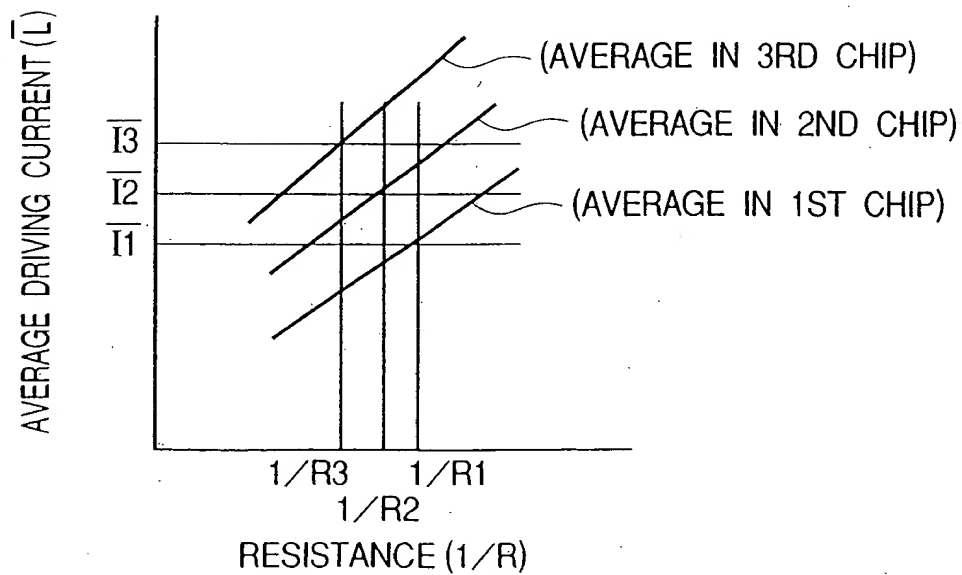


FIG. 21 (PRIOR ART)



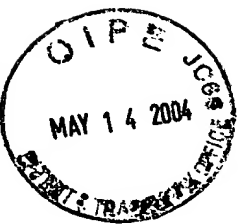
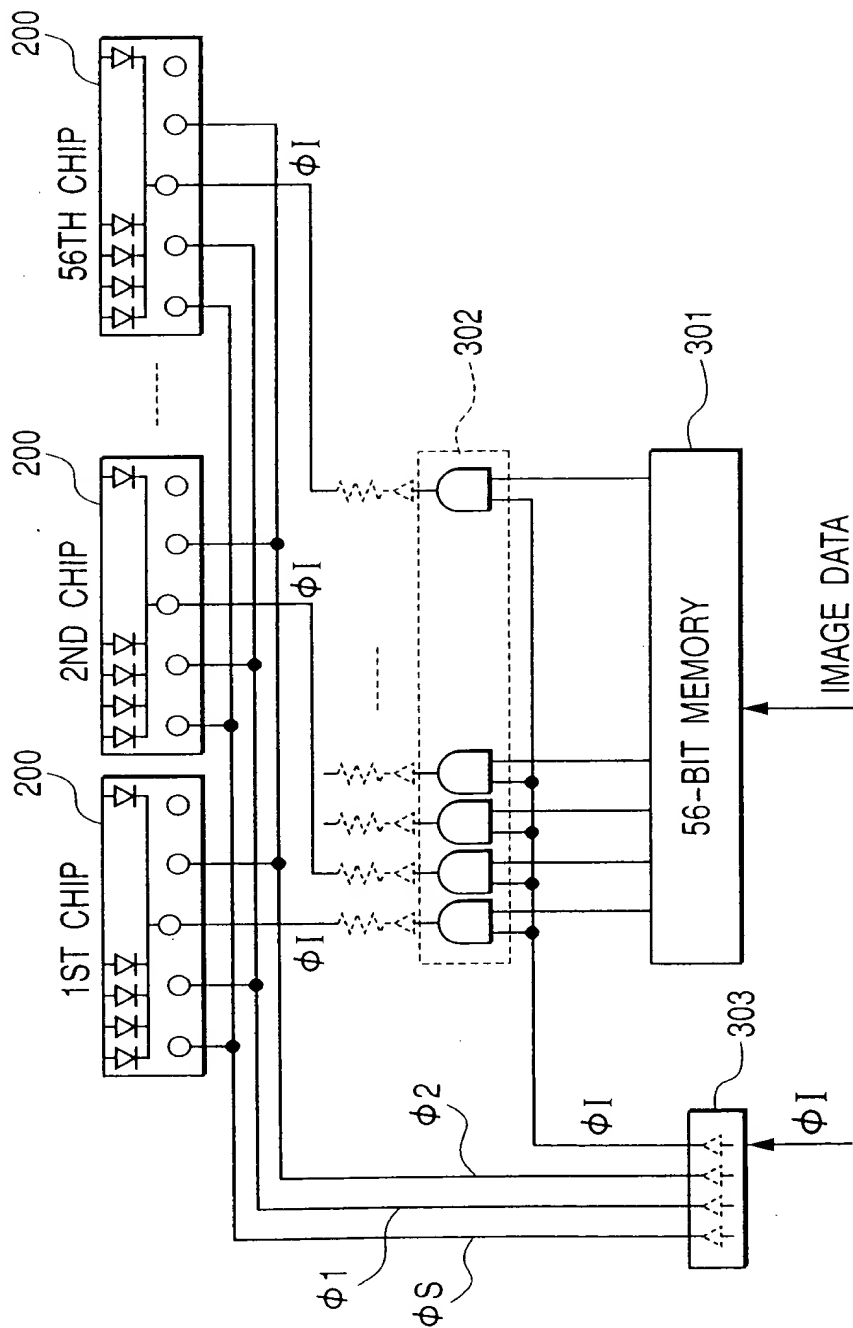


FIG. 22 (PRIOR ART)



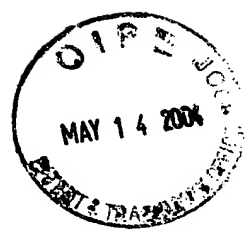


FIG. 23A (PRIOR ART)

PIXEL NO. CORRECTION VALUE (CLK)	1	2	3	4	-----	125	126	127	128
	3	2	1	0	-----	0	1	2	3

COUNTER LOAD VALUE LIGHT EMISSION TIME (CLK)	29	30	31	32	-----	32	31	30	29
	35	34	33	32	-----	32	33	34	35

FIG. 23B (PRIOR ART)

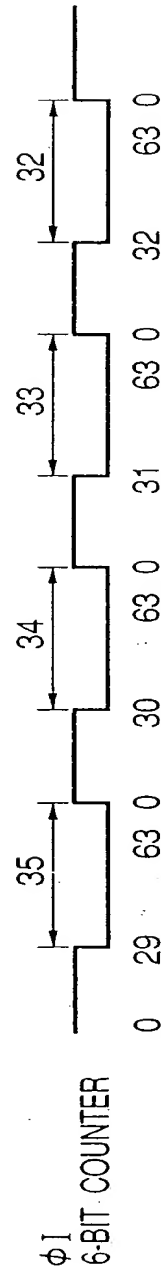




FIG. 24
(PRIOR ART)

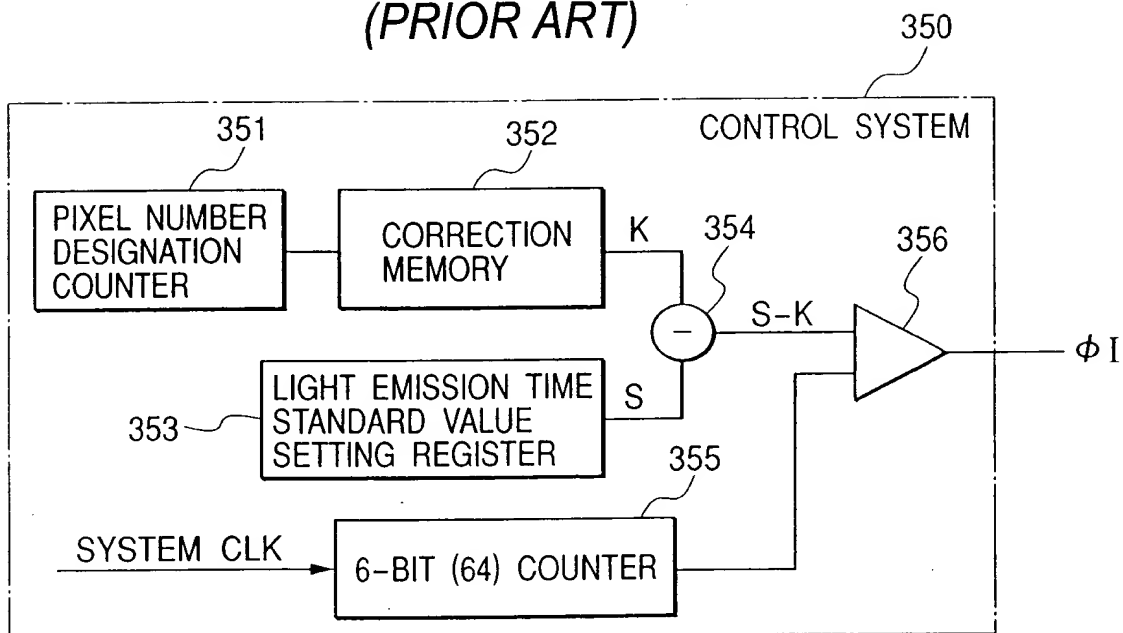


FIG. 25

